

Amendments to the Specification

Please amend the title as follows:

~~Oscillating~~ Aqua Broom with Optional Engine Pump Liquid Pressure Boosting System

Please replace the paragraph beginning on line 8 of page 11 with the following amended paragraph:

Figure 9A [[9]] shows, in accordance with one embodiment of the invention, a valve 61 integrated onto a hollow broom handle 64. With this design no external tubing is required. A water hose may be connected at 60 and the water may be regulated via spring-loaded valve 61. When lever 62 is squeezed toward the valve 61, water passes through the valve and into the hollow broom handle 64. The broom handle 64 screws into broom head 66 at 65. The top water channel view 71 also shows where the broom handle end 74 attaches to the broom head at 68. Water may be supplied from the broom handle 64 and 75 through the broom handle end hole 77 to the broom head water channel 69. A rubber o-ring type washer 76 seals inside of the broom handle attachment point 68 such that water, under pressure, can pass from the broom handle 64 to the broom head water channel 69 without leaking. The bottom view of the broom head can be identical to 30 in Figure 7 as previously described. The edge water spray jets, if so equipped, can also operated as previously described.

Please replace the paragraph beginning on line 20 of page 11 and ending on line 10 of page 12 with the following amended paragraph:

Figure 10A 10 shows a cost-effective broom head design. Broom head 81, in one embodiment of the invention, can be provided with a configuration wherein the broom head 81

may be approximately 18" Wide x 718" Thick x 4" High. (The height includes a bristle length of 2".) With this design, the broom handle 80 may be attached to the broom head 81 with the tip 86 of the broom handle 80 emerging at the front face of the broom head 81 at 82. A spray bar 83 may be mounted onto the broom head 81 by first positioning a spray bar stem tube 92 inside of hole 91 at end 82 of the broom handle 80, also shown at 87, and pushing the spray bar 83 flush onto the front face of the broom head 81. Screws, nails or other attachment means can be used where indicated to fix the spray bar 83 to the broom head 81. The side view of the spray bar 83 shows the spray bar stem tube 92 and a rubber o-ring type washer 88. When the spray bar stem tube is pushed into the broom handle end hole 91, the o-ring seats on the broom head 82 or end hole 87 and on the stem tube 92 such that water does not leak as it passes from the broom handle 80 to the spray bar 83. An integrated valve and hollow broom handle of the type shown in Figure 9 are used to supply water to the broom handle 80. The advantage of this design is that it does not require an expensively molded broom head or spray bar. In addition, the spray bar can be easily changed for a spray bar with different spray characteristics. The spray bar 83 may include a plurality of spray jets 84 centered to the spray bar 83 and evenly spaced, for example, about 1" apart. The spray jets 84 may each include a hole with a diameter of approximately 3/64" and may be angled at about 35-degrees. The spray jets 84 can be positioned on the bottom or front of the spray bar 83. Alternatively, the broom head 81 can be molded with a simple water channel that supplies water from the handle tip to the broom head top or bottom, which enables the spray bar 83 to be mounted on the top or bottom of the broom head 81, respectively. For example, Figures 10C and 10D both show the spray bar 83 mounted on top of the broom head 81. Optionally, motor technologies, a subject that will be discussed later herein, can be fitted onto or with the spray bar 83.

Please replace the paragraph beginning on line 26 of page 13 with the following amended paragraph:

An alternate embodiment of the jet guard 242 is shown in Figure 19. The jet guard 262 may be composed of a series of guards 262 placed above the spray jets 263 on the broom head 260. The guards 262 can be made into different shapes and can be optionally positioned on the sides or bottom of the spray jets 263. Figure 20A shows still another jet guard design. These guards 282 surround or substantially surround the spray jets 281 on the broom head 280. Another alternative is to design the broom head such that the spray jets recess into the broom head. For example, Figures 9B shows a broom head design in which the spray jets are recessed into the broom head (via an integrated spray bar). Similarly, Figures 10B-10D show broom head designs in which the spray jets are recessed into the broom head (via spray bar 83). Still another design alternative is to position the spray jets or nozzles 315 on a sloped or angled surface 314 as shown in Figure 10D and Figure 23.

Please amend the paragraph beginning on line 14 and ending on line 29 of page 15 in the Specification as follows:

If supplied by inadequate water pressure, the invention can be fitted with an engine driven water pump. Figure 25A 25 shows an engine 376, pump 381, and valve 380 housed in a handle assembly 374. A water hose may be attached at 373 and supplies water to valve 380. A spring-loaded trigger 371 or other manually operated lever controls the engine 376 throttle and valve 380 via 377 and 378, respectively. When the trigger 371 is engaged, water flows through the valve 380 to the pump 381 where an accelerated engine generates high water pressure to the broom handle 370. When disengaged, the water flow is stopped by the valve 380 and the engine

376 is returned to idle. Alternatively, the engine throttle can be regulated by a water pressure sensor, set at a constant speed, or regulated in some other manner ~~manner~~. The engine can be similar to the Ryobi 31 cc engine supplied to the Model 790R "EZ" 2 Cycle Trimmer/Brush Cutter. The water pump and valve are commercially available and are well known in the art. The assembly 374 can be positioned elsewhere on the broom handle or on the broom head. Alternatively, an electric motor can be used instead of a gasoline engine. Or, alternatively, as shown in Figure 25B, the engine or electric motor and pump can be fitted to a user "back-pack" with a connecting hose and controls mounted to the broom handle. The valve can be optionally positioned on the broom handle or the "back-pack" assembly.